

E7.5 10091

CR-141155

URBAN AND REGIONAL LAND USE ANALYSIS:  
CARETS AND CENSUS CITIES EXPERIMENT PACKAGE

(E75-10091) URBAN AND REGIONAL LAND USE  
ANALYSIS: CARETS AND CENSUS CITIES  
EXPERIMENT PACKAGE Monthly Progress Report  
(Geological Survey, Reston, Va.) 3 p HC  
\$3.25

N75-15109

Unclass

CSCL 08B G3/43 00091

SKYLAB/EREP INVESTIGATION NO. 469  
NASA Order No. T-5290 B

"Made available under NASA sponsorship  
in the interest of early and wide dis-  
semination of Earth Resources Survey  
Program information and with a view  
to any use made thereof."

MONTHLY PROGRESS REPORT

Daniel B. Gallagher  
and Harry F. Lins, Jr.  
U.S. Geological Survey  
Geography Program  
Reston, Virginia 22092  
November 20, 1974

Principal Investigator  
Robert Alexander  
U.S. Geological Survey  
Reston, Virginia 22092

NASA Technical Monitor  
John T. Wheeler  
Technology Utilization Officer  
NASA-Manned Spacecraft Center  
Houston, Texas 77058

Monthly Progress Report: November 20, 1974  
Investigation No. 469

a. Overall status, including problem areas and significant progress to date:

a.1. CARETS--Land use analysis: A 1:100,000-scale enlarged color transparency of the August 5, 1973 S-190B photograph of the Washington, D. C. area was printed by Photo Science, Inc. here in the Washington, D. C. vicinity. The enlargement conforms in area with the 1:100,000-scale CARETS Washington photomosaic.

A Level II land use map is being produced from the Skylab data, and when completed should provide a better comparison with the aircraft derived map than any of the smaller areas compared previously.

a.2. CARETS--Land use climatology: No change. Still awaiting data.

a.3. Census Cities Skylab Project: All photographic enlargements ordered have been received for the New Haven, Pontiac, Phoenix and Washington sites. Products include 1:100,000-scale cibachrome prints and transparencies and 1:500,000-scale cibachrome prints for each site. The cost of these items totalled \$739.00 and the work was done by Photo Science, Inc. of Gaithersburg, Maryland. The quality of the enlargements are generally excellent with the exception of those for the Pontiac site, which was hazy on the original S-190B frame.

Preliminary interpretation of the 1:100,000-scale New Haven enlargement indicates that most Level II land use classes can be identified from S-190B photography, although with less certainty than from similarly scaled RC-8 and Zeiss high-altitude photography. Enlarging S-190B photos to 1:100,000 scale obviously degrades the resolution considerably; therefore, the original frames plus the 1:500,000-scale prints are being used to distinguish some of the less easily observed categories.

b. Recommendations concerning decision and/or actions required to ensure the attainment of the experiments scientific objectives:

No change.

c. Expected accomplishments during the next report periods:

The Skylab Level II land use map covering the Washington photomosaic should be completed by the end of the next reporting period, or very soon thereafter.

d. Significant results and their relationship to practical applications or operational problems:

No change.

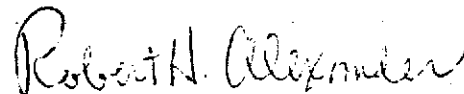
e. Summary outlook for the remaining effort to be performed:

No change.

f. Travel summary and plans:

None.

Approved:



---

Robert H. Alexander  
Principal Investigator  
Skylab/EREP Investigation No. 469